User's manual

HD/SD DVB-T DIGITAL TV RECEIVER

Preface

Thank you for choosing our digital tv receiver, you will be able to enjoy high quality pictures and voice, digital video and audio section in the comfort of your homes.

Through using the User's manual, you can understand the common operation of our HD digital tv receiver, by the friendly screen display and friendly menu style, user-friendly.

All the functions of the HD tv receiver can be accomplished by operating the keys on remote control, some of the functions also can be done by operating the front panel buttons.

Please note if download new software may change some of the tv receiver's original application or functions.

if you find any difficulties when using the HD tv receiver, please view the relevant part in the user's manual or contact the local digital tv operators.

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Fault problems	Solutions
No picture and sound	Check the main power cable and check that it is plugged into a suitable power outlet. Check whether Power Switch is On.
NO signal	Check the antenna position and installation. Check the area setting whether correct, if not need to reset again
No sound	Check the volume level of the TV and the remote control. Check the Mute status of the TV and product.
Poor picture & sound quality	Check if the weak reception of antennas, and install antennas again.
Can't search signal	Check the setting of country and area if correct, or maybe the weak signal
Poor pictures and sound quality when car moving	Maybe the weak signal in the local position, try in another place.

4. Accessories Included

Name	Specification	Quantity
Remote control		1
Power line		1
AV line		1
User's manual		1
Antennas		2
IR line		1

2. Press『PLAY/PAUSE』again, continue to watch the program from where paused. Press EXIT to exit the record program, means to exit time shifting function. And return to current real-time program as below.

2.5.9 Program Record

1. You can record programs when watch tv, press Yellow button pop-up the recording time setting floating panel, then you can set record time according to the USB storage device disk space, press ENTER button to start record program you're watching, and save the video file as below.

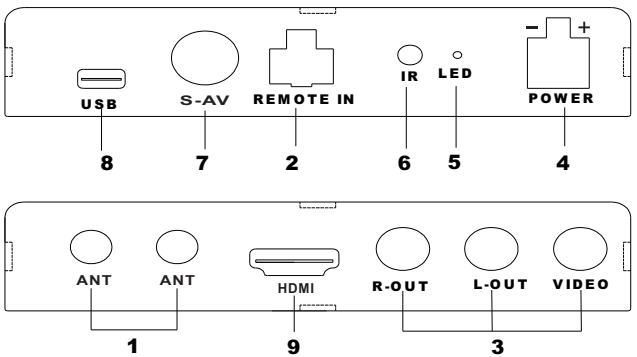
From the MENU-USB-Multimedia-PVR, you can find the record program in the USB device disk, and select to play the record program.

3. Fault problems and solutions

Before contacting your local service, please make sure following instructions. If the product does not work normally after completing the following fault problems and solutions, please contact your local product distributor or service center.

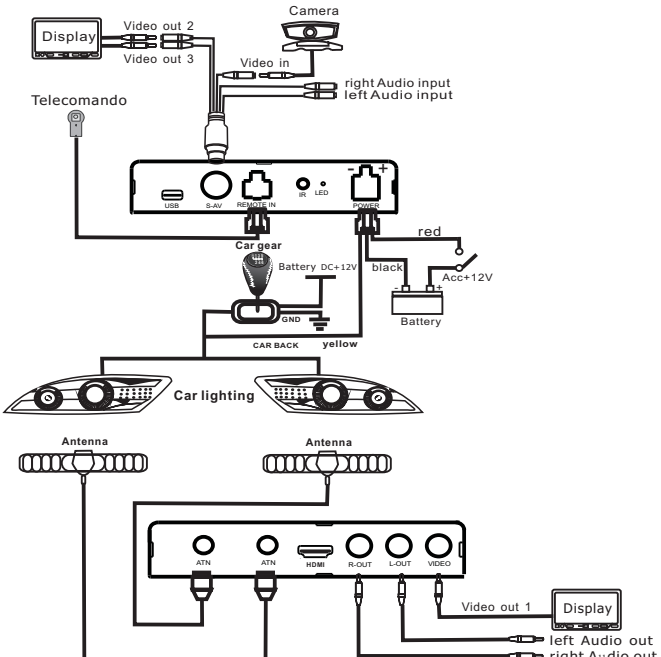
1. Introduction

1.1 Layout of the Main Unit



1.Twin Antenna Input (SMA connector)
2. Ext. Remote Sensor
3. AV Output
a) Video Output (Yellow RCA)
b)Left Audio Output (White RCA)
c) Right Audio Output (Red RCA)
4. Power Input DC12~24 Volts
5. Power LED
6. Remote Sensor
7. S-AV Port Definition
a) One AV Input Port
b)Two Video Output
8.USB Connector
9.HDMI Out

1. 2 Connections



Cautions

1. The red power wire connect to the ACC line which can control the auto, don't connect to the storage battery directly from the auto, to guard against long term operation can't stop. The ACC line and the GND line should install firmly, avoid some unnecessary machine issues.

2. If the machine don't use the AV input terminal, pls connect the CAR BACK yellow line to the ground line, and use the AV input terminal. Pls connect the CAR BACK yellow line to the positive pole of the visual light after.

3. The two antennas should be parallel installation near the car roof, the input voltage is DC12V.

2.5.7 Favorite List Menu

When not Favorite List menu, press FAV button to pop-up this menu, press▲/▼to move cursor switch channels.
Press OK to confirm the programme, press EXIT/FAV to exit the menu.

2.5.8 Time shifting

Time shifting means you can stop watching the real-time ongoing program, to answer calls or make calls, when you finish you can continue to watch from where you stopped and not miss any wonderful programs.

1. Under full screen ongoing state press『PLAY/PAUSE』the video picture is paused. If there is external USB device, the tv receiver will start record the current program automatic as below.

2.5.5 Volume menu

Consist of the progress bar and digital, display at the bottom of the screen, progress bar show the percentage of current volume, the numbers show the size of the current volume. The volume adjustment range is 0-32, default 15.

Press VOL+/- to plus/minus volume, and show volume menu. Press MENU button to close Volume menu, and show main menu.
Press EXIT to close Volume menu.

2.5.6 Mute Menu

When MUTE display at the left bottom screen means current user mute.
Press MUTE button : if current user under not mute, display Mute icon then mute. If current user under mute, remove user mute, then close mute icon.
Press VOL+/- button : remove user mute, close mute icon, and show Volume menu.
Press Sound button : remove user mute, close mute icon, and show current Sound Mode.

2. Parts menu introduction

2.1 Remote control function brief

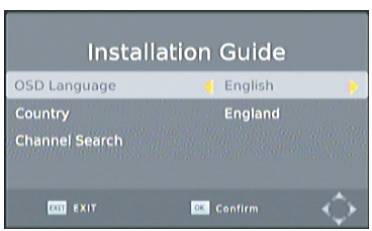
Power	Press to turn on/off the DTV
Mute	Select sound or remove sound
Enter	Confirm the selection
Display	Displays current channel/program information
TV/RADIO	Switch between TV and Radio modes
0-9	Input channel number
SUB	Change the subtitle language
EPG	Display the Electronic Program Guide
AUDIO	To change audio menu
TTX	Display teletext features
FAV	Add or remove TV channels from one of the four favorite channel lists
Exit	Menu exit
VOL+/-	Volume adjust and left/right in the menu
Menu	Display the main Menu
CH+/-	Change the channel one by one and up/down in the menu
	Menu selection
	Menu selection
Search	Scan program
Play/Pause	Press to turn on/off the Time shift
	Press to turn on/off the recording

2.2 Function brief and ports introduction

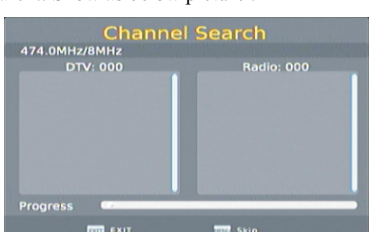
The HD tv receiver support H.264, MPEG2, MPEG4 such video decoding.
Support PCM, AAC Level2, AAC Level4 such audio decoding tv receiver.
It is available for European and Australia countries.
Input Port：DTV,USB
Output Port：AV, HDMI, Audio

2.3 Installation Guide

The tv box will show installation guide before search channels, You can select language and country then enter auto search.
Show as below picture :



Press◀/▶ button select language and country, when select channel search, press▶ button enter auto search.. Show as below picture :

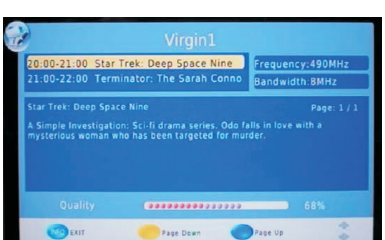


Press EXIT stop search, popup whether to stop search tooltip, press OK exit autosearch function, and save search information then exit search page. Press MENU to skip the displayed channel search to continue to search for the next channel status.
Note : Auto search will immediately delete all channel informations.

The screen will show broadcast time and programme name of the scheduled programme.
Press EXIT back to previous menu.
Press OK to confirm whether need to watch the programme scheduled.

2.5.4 Info Menu

When not INFO menu, press INFO button show as above INFO menu, press EXIT to exit the menu.
When have INFO menu, press INFO button show as below, display channel detail informations, press EXIT to exit the menu.

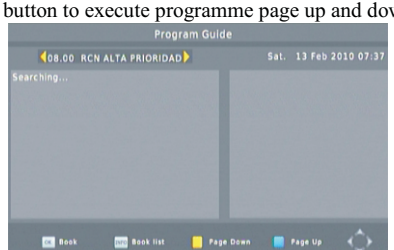


Audio Languages only show current audio types in code stream.
Press MIS/I/II/NICAM button: under DTV, when not Audio Language menu,show Audio Language Under Audio Language menu, close Audio Language menu.
Press EXIT button: close Audio Language menu.
Press ▲/▼button: Fluctuation options, switch audio to selected language and audio type
Press ◀/▶button: set sound channel as

, cycle options.

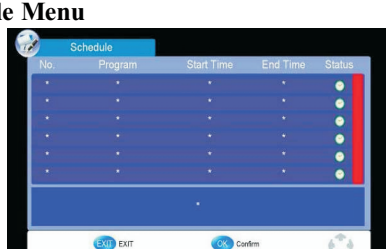
2.5.2 EPG Navigation Menu

This page show channel information page.
Press▲/▼to move cursor, switch channel.
Press OK button to select the need to reserve watch programme.
Press◀/▶to search channel information.
Press Yellow/Blue button to execute programme page up and down function.

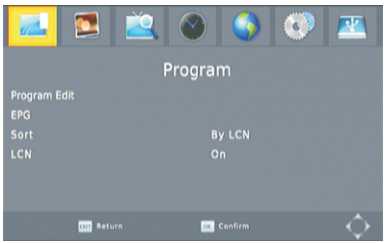


Press INFO button, switch to the details information of selected scheduled programme, screen display Schedule.

2.5.3 Schedule Menu



2.4 Main Menu



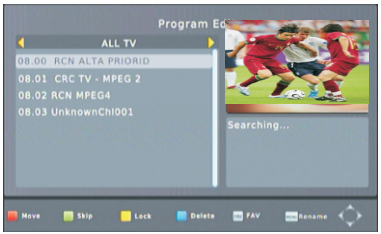
Traditional style full screen main menu, and matrix style menu.
Press MENU to open main menu, including : Program、Picture、Channel Search、Time、Option System、USB six submenu.
Press◀/▶button to select submenu, then press OK to enter submenu page, press EXIT to exit submenu back to current page.

2.4.1 Menu–Program

Press▲/▼to move the highlight bar to select debugging project. Press EXIT/MENU backto main menu.
Press◀/▶to select focus adjust project.

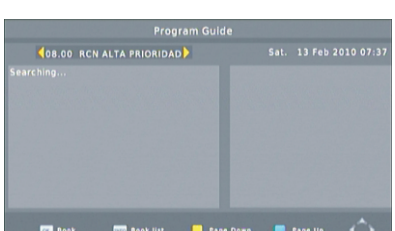
2.4.1.1 Program - Program Edit

Under the Program Edit option press OK/▼enter, firstly prompt customer to enter a password, defaul setting password : 00000.
If the password is correct, enter the Program Edit menu, if enter wrong password,it prompt for password error, press EXIT button back to password error menuprompt.

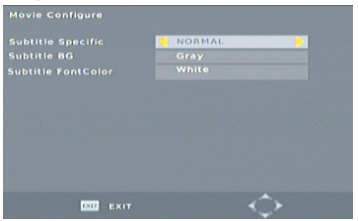


RED button (Move)：Press Red button to select the need to move channel, at customer's satisfy location, press OK, the channel number will move to the appropriate location.
FAV button (FAV): After press FAV button, the selected channel will add to FAV List. Press up and down buttons to select multiple channels.
Green button (Skip): After press Green button, the selected channel will skip during channel switch, can't be selected.
Yellow button (Lock): After press Yellow button, the selected channels will be locked. When watch need to enter password for viewing.
Blue button (Delete): After press Blue button, popup confirmation for customer whether delete dialog, press ENTER button will delect the channel.
Exit button：back to Program Edit menu；
Note, if the Program Edit has been modified, press EXIT button back to Programpage, will popup the save display box, keep save then exit.
Under the Program Edit option press OK/▼ button, select EPG, to get more information about the program and program news going to play at current or future, or press EPG button to entern electronic program guide menu page as below :

2.4.1.2 EPG



2.4.6.3 Movie Configure



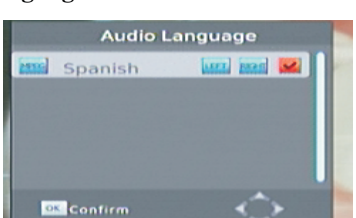
Subtitle Specific :
Subtitle BG
Subtitle Font color

2.4.6.4 PVR Configure

Record Device : Checking record device
Format : format of record device

2.5 Other menus

2.5.1 Audio Languages



Press▲/▼to move cursor to select display picture.
The cursor will stay about 2 seconds on the selected file (in the menu Slide Time setting to decide the time length), then enter to scan mode automatic.
Press OK can change to full screen play.
Press RETURN back to previous menu, press PLAY : pictures display from from top to down.

Note:

1）Only support USB storage device, can't support mobile phone or camera such multimedia devices. Support removable hard disk, maximum support 400G. Support NTFS and FAT32 format.
2) The maximum depth of the USB folder support : 308
3) The maximum number of files for each folder support : 5000
4) Only support single and dual channel audio formats.

2.4.6.2 Photo Configure

Under Photo Configure option press OK to enter Photo Gonfigure page.

Slide Time Slide time : Play speed and time setting for preview picture
Slide Mode : This function closed.
Aspect Ratio is Images broadcast ratio, Keep for keeping picture Original ratio, Discard for picture stretching full screen play.

2.4.1.3 Program - Sort

Pree◀/▶to select the way of Sort : By LCN； By ONID；By Service name；By Service ID；default setting By LCN。

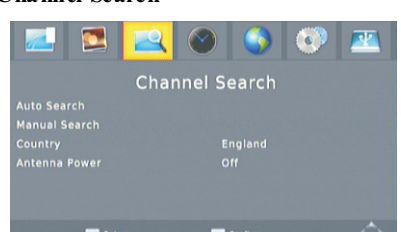
2.4.1.4 Program - LCN

Pree◀/▶to select whether open LCN, default setting ON.

2.4.2 Menu－Picture

Press▲/▼to move the highlight bar to select debugging project. Press EXIT/MENU back to main menu.
Press◀/▶to select focus adjust project.
Aspect Ratio select range ： 16:9 Wide Screen; Auto; 4:3 Full; 4:3 Pan & scan; 4:3 Letter Box，default 16:9 Wide Screen；
Resolution select range：480P,576P,720P, 1080I;default 1080I；
TV Format select range：NTSC, PAL，default PAL;
Video output select range ： CVBS ,RGB

2.4.2.1 Menu-Channel Search



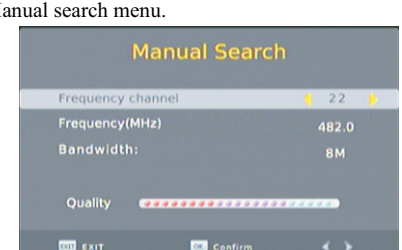
2.4.2.2 Channel Search -Auto Search

Under Auto Search option press OK/▶button popup dialog to confirm whether enter to search, press ENTER button to confirm auto search menu page, the tv receiver under the processing of searching channels.

Pree EXIT to stop auto search, if the processing of searching didn't finish, will popup the dialog to confirm whether exit search, after confirmation will exit search.
Press MENU to skip the displayed channel search to continue to search for the next channel status.
Note : Auto search will immediately delete all channel informations.

2.4.2.3 Channel Search -Manual Search

Under Manual Search option press OK/▶to enter Manual search channel menu, press EXIT to quit Manual search menu.

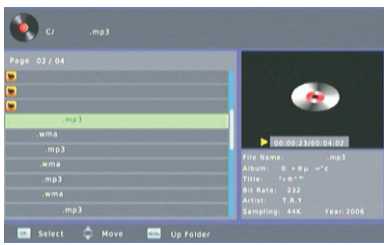


The menu show Frequency channel, Frequency, Bandwidth, Quality .
Press OK to entern Channel Search processing.

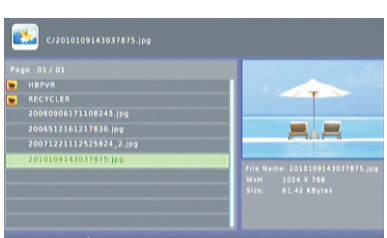
2.4.2.4 Installation - Country

Press◀/▶to select country, different country different frequency range and bandwidth.
Antenna power : open 5V/0V, support one external antenna

Enter Media press◀/▶to move the highlight bar to select Music or Photo, Movie PVR. Press OK to confirm. Press EXIT back to previous page.
Multimedia-Music
Music support play WMA/MP3/AAC format files.



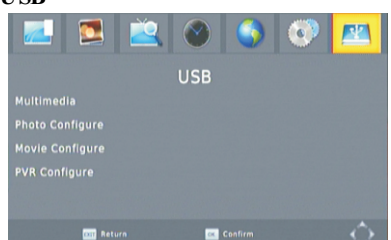
Press▲/▼to move the cursor select play songs, press OK to enter next menu, press RETURN back to previous menu.
Press <PLAY/PAUSE>、<PRE>、<NEXT>、<FORWARD>、<BACKWARD> to play/ Pause, previous song, next song, fast forward, fast backward. Press EXIT to exit play mode.
Multimedia-Photo support play jpg/bmp/png format files.



2.4.5.4 System - Software Update

Under Software Update option press OK to enter this page.

2.4.5.5 Menu-USB



2.4.6 Menu–Multimedia

2.4.6.1 Multimedia

Press▲/▼to move the highlight bar to select debugging project. Press EXIT/MENU back to main menu.

Press OK/▶to enter the option menu page under the Multimedia menu.

2.4.3 Menu –Time

Press▲/▼to move the highlight bar to select debugging project. Press EXIT/MENU back to main menu. The OK button doesn't work in this page.

2.4.3.1 Time - Time Offset

Select range ： Auto, Manual，default Auto

2.4.3.2 Time - Country Region

When Time offset is Manual, Country Region option in gray can't be selected. Different country different selection, default, Paris

2.4.3.3 Time - Time Zone

Select range ： GMT-12~GMT+12，default GMT+1, Select range ： GMT-12~GMT+12，default GMT+1, When Time offset is Auto, Time Zone option in gray can't be selected.

2.4.3.4 Sleep

This function has been closed.

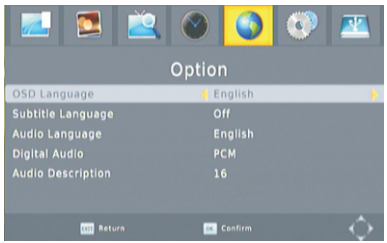
2.4.4 Menu –Option

Press▲/▼to move the highlight bar to select debugging project. Press EXIT/MENU back to main menu.

Press OK/▶to enter the option menu page under Configuration menu.

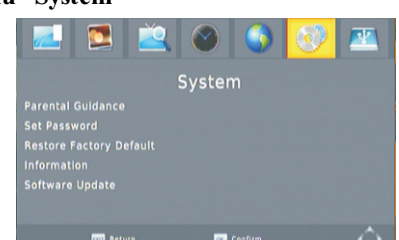
2.4.4.1 Option - Language

Under Language option press OK/▶button enter language page, press◀/▶to select focus adjust project, press EXIT/MENU back to Configuration menu.



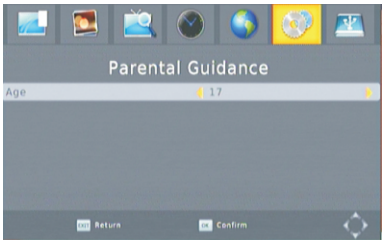
OSD Language range ： English，Czech，Danish, French，German, Italian, Portuguese, Spanish
Subtitle Language : in order to take care of hearing disability, will add special subtitles when program recording.
Audio Language：Audio language selection type
Digital Audio select range : PCM,RAW,Off，default PCM
Audio Description: this option closed.

2.4.5 Menu –System



2.4.5.1 System -Parental Guidance

Under Parental Guide option press OK to enter, first show 6-digit password input box, enter correct password, enter to Parental Guide menu page.



This page is a child lock function, the channel is age limit, can't watch for child. Press◀/▶to select age limit range, press OK to confirm setting, press EXIT/MENU back to previous page.

Input old Password : enter the initial 6-digit password, default password is 000000, if enter wrong password will pop-up password error massage box, press EXIT to exit the prompt box.
Input new password : enter new 6-digit password.
Confirm password : enter the password again to confirm new password, if enter correct again, will pop-up set successfully prompt box, press EXIT to exit prompt box, password setting successfully.

2.4.5.2 System- Restore Factory Default

Press OK/▶then pop-up enter password menu, enter the initial password : 000000, STB perform reset action, enter engineering default state, restore to default setting.

2.4.5.3 System - Information

Press OK/▶show message box : Model, SW Version (software version), HW Version (type of main engine).